

MONDAY 17 JULY

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## HEPATOTOXICOLOGY I (cont)

## Abstract

- 106 (P109) Early ultrastructural changes in liver and kidney parenchyma of rats poisoned with *Actinidia gummifera* L.  
A Heddi, L Keskes, J-M Warrat, N Ben Salah, H Jaafoura, M Thevenin, M Amarnou, Z Jerbi, J-R Claude & M Yacoub (Tunis, Tunisia & Paris, France)
- 107 (P110) Competition between acetaldehyde and prostaglandins for hepatocyte receptors: possible mechanism of hepatotoxicity and hepatoprotection  
V Buko & I Zavodnik (Grodno, USSR)
- 108 (P111) Alteration in hepatic gene expression patterns following *in vitro* and *in vivo* exposure to 2,3,7,8-tetrachloro-dibenzodioxin (TCDD)  
Y Aoki, E K Silbergeld & B A Fowler (Baltimore, USA)

XENOBIOTIC METABOLISM AND KINETICS  
(Abstracts 109-134)

Chairmen: T R Fennell (Research Triangle Park, USA) and G A S Ansari (Galveston, USA)

Posters will be displayed in the Hawson Hall. The Discussion Group will be held in the Empress Room, Grand Hotel

- 109 (P137) Kinetic procedures for estimating organ clearances of formation of short-lived chemically reactive metabolites  
J R Gillette & R Chen (Bethesda, USA)
- 110 (P138) Urinary metabolites of 11,2,3-<sup>13</sup>C-lactylonitrile in the rat and mouse detected by <sup>13</sup>C nuclear magnetic resonance spectroscopy  
T R Fennell, S D Held & G L Kedderis (Research Triangle Park, USA)
- 111 (P139) Nephrotoxicity of dichloroacetylene in rats - *in vivo* evidence for activation by glutathione conjugation reactions  
W Kanhal, W Dekant & D Henschler (Wurzburg, FRG)
- 112 (P140) Intestinal absorption and metabolism of trichloroethylene in the closed loop system of dogs  
T Huhara, H Kobayashi & K Ogino (Ube, Japan)
- 113 (P141) Metabolism of the progestogen norgestimate by human liver microsomes  
S Madden & D J Back (Liverpool, UK)
- 114 (P142) The use of <sup>1</sup>H and <sup>15</sup>N NMR to investigate the metabolism of <sup>15</sup>N-aniline  
K E Wade, I D Wilson & J K Nicholson (London & Macclesfield, UK)
- 115 (P143) Biliary excretion and metabolism of daliroban (BSI13.505/SK&F 96148) in the rat and dog  
J Kuo, D Dulik, G Joseph, M Carbonaro, G Kuo, K Tyrrell & E Grachen (King of Prussia, USA)



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XENOBIOTIC METABOLISM AND KINETICS (cont)

Abstract

- 116 (P144) Species differences in metabolism of monohalogenated methanes  
E Hallier, S Deutschmann, B Gansewendt & H Peter (Dortmund, FRG)
- 117 (P145) Interaction of ethanol on methyl ethyl ketone conversion to 2,3-butanediol in man  
K Engström, J Liira & V Riihimäki (Turku & Helsinki, Finland)
- 118 (P146) Tissue distribution and metabolism of aflatoxin B<sub>1</sub> in the marmoset monkey  
P Larsson & H Tjalve (Uppsala, Sweden)
- 119 (P147) The pharmacokinetics of CHISOIN-175 in the rat  
F Lévy, I Szalmari, S Fritsch & V Gergely (Budapest, Hungary)
- 120 (P148) Local tolerance and pharmacokinetics of a surgical cement containing gentamicin (Palavit-SCH-457) in beagle dogs  
D Petra, J F le Bigot, R Glomot & P Assouly (Evreux & Levallois Perret, France)
- 121 (P149) Local tolerance and pharmacokinetics of gentamicin after surgical implantation of a sustained release substance (Chronocal implant SCH-438) in beagle dogs  
D Petra, J F le Bigot & R Glomot (Evreux, France)
- 122 (P150) Metronidazole plasma and saliva pharmacokinetics and metabolism in minipigs  
S Loft, O Svendsen & H E Poulsen (Copenhagen & Skensved, Denmark)
- 123 (P151) Ampyrimine metabolism and plasma/saliva pharmacokinetics in minipigs  
H E Poulsen, S Loft & O Svendsen (Skensved & Copenhagen, Denmark)
- 124 (P152) Paracetamol saliva and plasma pharmacokinetics and metabolism by minipigs  
O Svendsen, S Loft & H E Poulsen (Skensved & Copenhagen, Denmark)
- 125 (P153) New application of radiorespirometry in toxicokinetics  
Y Matsuoka, I Nishigaki & A Shigematsu (Chiba, Japan)
- 126 (P154) Kinetics and toxicology of pyrazinoindole derivatives in experimental study on different animal species  
A Shchepetov, I Golovanova & S Sharova (Moscow, USSR)
- 127 (P155) Hydrazine disposition in rat liver and plasma after various doses  
N E Preece & J A Timbrell (London, UK)
- 128 (P156) Persorption: Do experimental problems prevent the unequivocal demonstration of this phenomenon?  
J A Phillips & A D Dayan (London, UK)
- 129 (P157) Interspecies scaling of tetracycline sulphate pharmacokinetics  
D J Nichols & A Bye (Crawley, UK)
- 130 (P158) Glucuronidation of *l*- and *d*-menthol in the rat  
P J Eddershaw, T Yanaguchi & J Caldwell (London, UK)
- 131 (P159) *In vivo* formation of fatty acid conjugates of 2-chloro- and 2-bromo-ethanol and role of cholesterol ester hydrolase  
G A S Ansari, H K Bhat & B S Kaphalia (Galveston, USA)



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**XENOBIOTIC METABOLISM AND KINETICS (cont)**

**Abstract**

- 132 (P160) Metabolism of formosanin by cytochrome P450  
C Y Huang & K Y Chou (Taipei, Taiwan)
- 133 (P161) Autoinduction of rifabutin metabolism in man  
E Muro, M Strolin-Benedetti, A Fantani & M G Jannuzzi (Milan, Italy)
- 134 (P162) An investigation of criteria for the initiation of cirrhosis in rats for pharmacokinetic and toxicity studies of xenobiotics in an hepatically impaired model  
K E Tomaszewski, G C Harries, F Avuru & P Jeffrey (Crawley, UK)

2000

**WORKSHOPS Brighton Metropole Hotel**

There are a limited number of places at each Workshop and admission is by pre-booked ticket.

**W1 TOXICOLOGY IN DEVELOPING COUNTRIES**

Balmoral Room

Organiser: B H Thomas (Ottawa, Canada)

**W2 THE INFLUENCE OF ANIMAL HUSBANDRY ON TOXICOLOGICAL STUDIES**

Buckingham Room

Organiser: R W James (Huntingdon, UK)

**W3 THE PRACTICAL USE OF SOME NEW ANTIDOTES: THE ROLE OF FLUMAZENIL AND DIGOXIN-SPECIFIC Fab FRAGMENTS**

Edinburgh Room

Organiser: J A Vale (Birmingham, UK)

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**TUESDAY 18 JULY**

**The basis for selective toxicity in the lung (cont)**

**Abstract**

1030-1105 143 Mechanisms of endothelial cell damage  
P Moldéus & I A Cotgreave (Stockholm, Sweden)

1105-1140 144 Leukocytes, macrophages and active molecular species  
H J Forman (Los Angeles, USA)

1200-1300 **PLENARY LECTURE Brighton Centre**

Chairman: A D Dayan (London, UK)

**The contribution of epidemiology to understanding  
the mechanisms of action of carcinogens**

A J McMichael (Adelaide, Australia)

1300-1430 **LUNCH Brighton Centre**

1430-1730 **SYMPOSIUM 5 Brighton Centre**

**The importance of mechanisms of action for the  
evaluation of environmental carcinogenic risk**

Joint Symposium with the International  
Agency for Research on Cancer (IARC)

Chairmen: L Tomatis (Lyon, France) and I F H Purchase (Macclesfield, UK)

1430-1505 145 Molecular dosimetry, genetic susceptibility and cancer risk  
C C Harris, D Manchester, H Sugimura, N Caporaso, R Hoover,  
G Trivers, D Mann, J Resau, B F Trump & A Weston (Bethesda &  
Baltimore, USA)

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### The importance of mechanisms of action for the evaluation of environmental carcinogenic risk (cont)

- Abstract
- 1505-1540 146 DNA repair and its modulation of the carcinogenic response  
M F Rajewsky, J Thomale, N Huh, P Nehls, G Eberle & K Sendowski (Essen, FRG)
- 1540-1615 147 Oncogene activation and amplification in chemical carcinogenesis  
M Terada, T Yoshida, J Yokota, H Sakamoto, Y Tsunokawa, Y Hattori, O Kalthoh, M Mori & T Sugimura (Tokyo, Japan)
- 1615-1650 148 The role of cell-to-cell communication during multistage carcinogenesis  
H Yamasaki (Lyon, France)
- 1650-1725 149 Non-genetic mechanisms of chemical carcinogenesis  
J T Swenberg, S Botchkoff, M Charbonneau & B Short (Chapel Hill & Research Triangle Park, USA)

1430-1600 POSTER PRESENTATIONS Brighton Centre  
Numbers in parentheses indicate poster boards

1600-1730 POSTER DISCUSSION GROUPS  
Brighton Metropole and Grand Hotels

### ENZYME INDUCTION AND INHIBITION (Abstracts 150-174)

Chairmen: K J Netter (Marburg, FRG) and R G Thurman (Chapel Hill, USA)

Posters will be displayed in the Main Foyer. The Discussion Group will be held in the Empress Room, Grand Hotel

- 150 (P1) Relationship between chemical structure and cyt P450 inhibiting action of H<sub>2</sub> receptor antagonists  
E Chiesara, L Marabini, G Reina & A Giachetti (Milan, Italy)
- 151 (P2) Kinetic and metabolic interactions of repeated inhalation exposure to methyl ethyl ketone, and *m*-xylene in rats  
J Lusa, V Kishimaki, H Raunio & K Engstrom (Turku, Helsinki & Oulu, Finland)
- 152 (P3) 6-*n*-Propylchromone-2-carboxylic acid (PCCA): a probe for the stereoselectivity of alkyl hydroxylation  
J F Darbyshire, S Winter & J Caldwell (London, UK)